

**Emergency Support Function #11
Agriculture and Natural Resources**

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**Emergency Support Function #11
Agriculture and Natural Resources**

Approval and Implementation

This document was developed by Emergency Support Function #11 in accordance with national, state, and local regulations regarding the implementation of this Emergency Support Function. This document follows the National Incident Management System and meets the coordination objectives of local emergency response organizations. By signature, the entities below accept this document as standard practice for prevention, mitigation, preparedness, response, and recovery during emergency operations.

Talib Aquil, Director, City of Newark Department of Public Works, ESF #3 Coordinator

Signature: _____ Date: _____

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Record of Changes

Changes listed below have been made to the City of Newark, New Jersey Emergency Support Function #11 since its promulgation.

#	Date	Section	Summary of Change	By (Name/Title/Organization)
1.	12/9/16	Pg. 3	Personal/Primary Agency Change-DPW	Juba Dowdell-OEM Deputy Coordinator
2.	12/9/16	Pg.7, 25-27	Personal/Agency Change-Police, Fire, OEM, DPW	Juba Dowdell-OEM Deputy Coordinator
3.	12/9/16	Pg. 16	Primary Agency Change-DPW	Juba Dowdell-OEM Deputy Coordinator
4.	12/9/16	Pg. 17	Agency Addition- Essex County Department of Parks, Recreation and Cultural Affairs	Juba Dowdell-OEM Deputy Coordinator

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**Emergency Support Function #11
Agriculture and Natural Resources**

Primary Agency

City of Newark Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
Phone: (973) 733-3633

Coordinator

Talib Aquil, Director
City of Newark Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
(973) 733-3633
aquilt@ci.newark.nj.us

Alternate Coordinator

Richard Kirkland, Manager, Parks & Grounds
Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
Phone: (973) 733-3704
Email: SNEADR@ci.newark.nj.us

Support Agencies

City of Newark Office of Emergency Management & Homeland Security
Division
City of Newark Department of Engineering
City of Newark Department of Health and Community
Wellness
City of Newark Humane Society
City of Newark Police Division
City of Newark Watershed Conservation and Development Corporation
Essex County Department of Parks, Recreation and Cultural Affairs

State Support

New Jersey Historical Society

New Jersey Department of Agriculture

The Emergency Support Function #11 Coordinator maintains contact information for all Support Agencies.

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I. Introduction

A. Purpose

The purpose of Emergency Support Function #11, Agriculture and Natural Resources (ESF #11), is to protect agriculture and natural resources during emergency response activities within the City of Newark. Operations executed by ESF #11 include, but are not necessarily limited to, the following:

- £ Ensure the security and safety of food items, and plants/crops following an emergency
- £ In coordination with public and private stakeholders, provide and/or support nutritional assistance to the effected population.
- £ Respond to animal and pests
- £ In coordination with ESF #6, provide safety and well-being of household pets
- £ Responding to and providing animal safety and security needs in coordination with appropriate local, State and Federal agencies/stakeholders

B. Scope

This ESF coordinates operations by the City of Newark related to agriculture and natural resources at the time of an emergency. This ESF is an integral component of the *City of Newark Emergency Operations Plan* (EOP) and, as such, is intended to be implemented within the policy and operational framework of the EOP. Operations of ESF #11 are therefore intended to be fully integrated with other activated City of Newark ESFs.

During an emergency that extends beyond the City of Newark jurisdictional boundaries, it could be necessary for ESF #11 to conduct operations in an autonomous manner, working with ESF #11 Committees at the municipal, county, state, and federal levels to: identify needs and problem areas related to agriculture and natural resources; to formulate mission assignments addressing those needs or problems; and implement mission assignments. ESF #11 could also work directly with ESF #11 Committees of neighboring jurisdictions within the New Jersey Urban Area Security Initiative (UASI) Region, the New York-New Jersey-Connecticut-Pennsylvania Area Regional Catastrophic Preparedness Grant Program (RCPGP), or within the framework of other MOU, MOA, or charter agreements in the event of large-scale or catastrophic emergencies.

II. Policies

The policies that govern the operations of this ESF, as well as the prioritization of mission assignments and resource allocation whenever necessary, are the following, in order of priority:

- € Conduct or assist in operations necessary to reduce the imminent threat of danger, or support other operations directly intended to prevent or minimize injury or illness to the impacted population
- € Support emergency response operations being conducted by other City of Newark ESFs, or by neighboring jurisdictions, when necessary
- € Gather situational awareness information in support of emergency response operations
- € Support recovery operations being conducted by the City of Newark
- € Support emergency preparedness activities being conducted by the City of Newark

III. Situation and Assumptions

A. Situation

The activation of this ESF is predicated by an emergency of such severity and magnitude that it requires the resources and capabilities of ESF #11. Identification of the various hazards the City of Newark faces and the likely consequences for emergency operations can be found in the Hazard Assessment, Appendix BPA-1 of the EOP.

For example, Appendix BPA-1 indicates that there are several emergency situations that could have impacts on agriculture and natural resources within the City of Newark. Many events such as flooding and hurricanes could require evacuation, which creates the need to care for household pets. Additionally, some hazards such as drought, and animal disease, directly impact agriculture and natural resources. Three values, i.e., relative risk, consequence category, and level of ESF involvement are shown in the following excerpt from Appendix BPA-1. These three values, taken in combination, provide a means of identifying hazards which may be of greatest concern. For example, a hazard with high consequences and a high level of ESF involvement is most likely to overwhelm local resources. If the relative risk for such a hazard is also high, then it ought to be a priority for planning purposes.

The relative risk is a function of probability, impacts, and advance warning. Details of how these values were developed are indicated in BPA-1.

The consequences of each hazard were categorized as follows:

1. Most severe impacts to property and infrastructure, i.e., services are disrupted and/or structures are damaged, but there are little or no injuries or casualties; a major power outage is an example of this type of catastrophic event.
2. Most severe impacts to people. Low impacts to property and infrastructure, i.e., people and/or animals are affected, but there is little impact on structures or infrastructure; for example, an epidemic affecting a large proportion of the population
3. High impacts to people, property, and infrastructure, people, animals, structures and infrastructure are potentially impacted; widespread flooding over the NJ UASI Region is a relevant example

In addition to this categorization, each hazard was assigned a value regarding the anticipated level of involvement for each ESF. These are as follows:

1. ESF will have limited or no involvement
2. ESF will be main and/or sole focus of response and recovery efforts
3. Coordinated effort will be required between multiple ESFs

Planning Assumptions

Implementation of this ESF is based on the following general planning assumptions:



Implementation of this ESF is also based on the following specific planning assumptions:

- € ESF #11 is intended to be fully consistent with the Essex County ESF #11, New Jersey ESF#11, and ESF #11 of the Department of Homeland Security National Response Framework, to facilitate efficient coordination of operations, sharing of resources, and timely completion of mission assignments

IV. Concept of Operations

A. General

This ESF is responsible for meeting the agriculture and natural resources-related needs of the City of Newark emergency response operations to ensure the security and safety of food items, animals, and plants/crops following an emergency. This ESF is activated upon the request of the City of Newark Emergency Operations Center (CNEOC) or Incident Commander (IC), and functions under the supervision and coordination of the City of Newark Department of Public Works. The designated support agencies provide assistance and resources to the City of Newark Department of Public Works upon request. The ESF #11 Coordinator shall then implement mission assignments based on the request from other City of Newark ESFs, field Command Staff, and designated Operations and Logistics Section Liaisons of the Incident Command System (ICS) in the CNEOC funneled through the CNEOC Manager, in accordance with the incident action plan approved by the IC and Policy Group.

In addition to coordination with ESF #11 designated support agencies, ESF #11 shall interact regularly with other ESFs within the City of Newark. Although interactions with other ESFs shall be scenario based, ESF #11 is most likely to have regular interactions with the following ESFs: ESF #1, ESF #2, ESF #3, ESF #4, ESF #5, ESF #6, ESF #7, ESF #8, ESF #9, ESF #12, ESF #13, and ESF #15.

Government-owned resources available to implement mission assignments of ESF #11 are identified and catalogued in the New Jersey Resource Directory Database (RDDDB). See Appendix 11.1, Resource Directory Database (RDDDB). The primary and support agencies shall access the RDDDB through the MyNewJersey portal site. MOUs, MOAs, and mutual aid agreements (MAAs) with other jurisdictions are also included as an attachment. See Appendix 11.2, Mutual Aid Agreements.

B. Notification and Mobilization

The IC shall be responsible for notifying the City of Newark Department of Public Works of the need to activate ESF #11, and informing the City of Newark Department of Public Works on a timeline for activation. The City of Newark Department of Public Works shall notify their agency staff assigned to the ESF and request their deployment to the CNEOC and other pre-designated locations. See Appendix 11.3, Recall/Duty Roster and Appendix 11.4, Pre-Designated Locations, Meeting Points, and Points of Distribution. In addition, the ESF #11 Coordinator shall notify the support agencies of the ESF activation and, as required by the emergency, request mobilization and deployment of personnel and/or resources to pre-assigned locations, or to remain on standby for mobilization and deployment.

Mobilization of personnel by the City of Newark Department of Public Works shall include, at a minimum, assignment of at least one individual to the CNEOC to staff the ESF #11 position. Depending on the level of activation of the CNEOC and the size of the emergency response operation, this individual could also serve as the representative for other ESFs for which the department is a primary or supporting agency.

Detailed emergency response and CNEOC notification and mobilization procedures can be found in Section II.C.3, Notifications of the EOP Base Plan.

Private resource providers shall be contacted and advised of the activation of ESF #11 by the ESF #11 Coordinator and requested to mobilize or remain on standby, as required by the emergency.

C. Actions

This section describes the emergency management actions that could be required of ESF #11 to prevent, mitigate against, prepare for, respond to, and recover from the loss of life or property during emergencies.

1. Prevention

The following general prevention actions shall be taken in anticipation of the activation of ESF #11:

- € Work with ESF #13 and other intelligence agencies to evaluate and determine the need for heightened inspections, improved surveillance, and security operations

2. Mitigation

The City of Newark identifies opportunities for, and undertakes, mitigation actions on an ongoing basis as part of the *All-Hazard Mitigation Plan for Essex County, New Jersey*. See Base Plan, Section IX.B.3.A for information regarding the *All-Hazard Mitigation Plan for Essex County, New Jersey*.

3. Preparedness

The following general preparedness actions shall be taken in anticipation of ESF #11:

- { Assess pre-emergency needs and develop plans to stage resources for rapid deployment
- { Maintain ESF #11 RDDDB to be completed by primary and supporting agencies, and coordinated by the ESF #11 Coordinator
- { Maintain private contractor resource support database for ESF #11
- { Maintain relationships with New Jersey Office of Emergency Management (NJOEM) and neighboring jurisdiction ESF #11 primary agencies
- { Participate in drills and exercises to evaluate emergency response capabilities of ESF #11

4. Response

The following general response actions shall be taken for ESF #11 in the CNEOC:

- { Receive a briefing from the IC regarding the present situation and the immediate need for action
- { Establish an operation shift schedule consistent with the CNEOC as established by the CNEOC Manager for staffing ESF #11, if 24-hour operations are required due to the magnitude of the emergency. As required, ensure that an overlap of 15 minutes occurs between shifts so that staff can transfer all relevant information/processes.
- { Receive and execute mission assignments from other ESFs and the Command Staff

5. Recovery

For recovery operations, the organizational structure and method of coordination of this ESF shall remain the same as that used in emergency response operations. As the emergency response transitions into recovery, ESF #11 shall support mission assignments of ESF #14.

D. Communications

ESF #11 communications protocols and procedures shall be consistent with general emergency response communications protocols and procedures, managed by the Logistics Section in the CNEOC, the primary and supporting agencies of ESF #2, and as outlined in the EOP Base Plan, Section VI, Communications. This includes but is not limited to coordination in the development of ICS 205 forms.

E. Demobilization

In anticipation for demobilization of ESF #11 and the CNEOC, the City of Newark Department of Public Works shall take the following actions:

- € Review all documentation of ESF #11 operations, expenditures, and personnel time to ensure completeness and accuracy
- € Track all ESF #11 mission assignments and ensure their completion
- € Prepare information, as necessary, to be used in recovery operations if the continued need for ESF #11 in recovery is anticipated
- € Inform the appropriate personnel of the primary and support agencies, as well as private vendor support, of the impending demobilization of ESF #11
- € Transmit all documentation to the IC or ESF #5 through the CNEOC Manager and request approval to demobilize
- € Demobilize ESF #11, with notification to all necessary organizations and individuals

V. Organization and Assignment of Responsibilities

A. Organization

The organizational chart shown in the EOP Base Plan, BPA-5, NIMS/ICS EOC ESF Structure illustrates the position of ESF #11 in the City of Newark emergency response ICS organization.

B. Assignment of Responsibilities

This section designates the primary and support agencies for implementation of ESF #11.

1. ESF #11 Coordinator

The Director, City of Newark Department of Public Works is designated as the ESF #11 Coordinator. The ESF #11 Coordinator responsibilities are as follows:

- € Overall coordination of the development of plans, annexes, and procedures for emergency response consistent with ESF #11 and for coordinating implementation in an emergency
- € Maintain all ESF attachments, to include checklists and contact lists
- € Working with ESF #5 Coordinator, ensure timely updates and maintenance of ESF #11 related resources in the RDDB

2. Primary Agency

The City of Newark Department of Public Works is the primary agency for this ESF. Of available City of Newark agencies, the City of Newark Department of Public Works has the trained technical personnel, resources, facilities, and systems most appropriate for implementing this ESF. The City of Newark Department of Public Works is specifically designated as the primary agency because of its normal day-to-day responsibilities, facilities, and equipment that support or facilitate the execution of ensuring the security and safety of food items, animals, and plants/crops following an emergency. The City of Newark Department of Public Works responsibilities are as follows:

- { Support development of plans, annexes, and procedures for emergency response consistent with ESF #11 and implementation of ESF #11 in an emergency
- { Support process for updating and maintaining ESF #11 related resources in the RDDB

3. Support Agencies

- a. City of Newark Office of Emergency Management (CNOEM) & Homeland Security is designated as a support agency for this ESF because of its interaction and coordinating responsibilities with all the City of Newark ESFs.

- a. City of Newark Department of Engineering is designated as a support agency of this functional annex to coordinate the restoration efforts at public buildings/facilities and emergency contracting support for essential life-sustaining service activities. The Department of Engineering will also be required to provide pre-incident and post-incident assessment reports of public infrastructure assets, provide technical assistance, engineering expertise, and construction management to the ESF#11 Coordinator and all applicable support agencies.
- b. City of Newark Department of Health & Community Wellness
- c. City of Newark Humane Society
- d. City of Newark Police Division is designated as a support agency to this functional annex that will be responsible for providing security to access unsafe environments, force protection services and specialized security resources.
- e. City of Newark Department of Water and Sewer Utilities is designated as a support agency to this functional annex that will be responsible for providing the ESF#5 and #11 Coordinators with pre-incident and post-incident assessment reports relative to the integrity of water infrastructure, water supply quality and periodic situational awareness reports on areas susceptible to flooding. This Department will also be responsible for coordinating emergency contracting support for essential life-sustaining service activities with applicable ESF Coordinators.
- f. City of Newark Economic & Housing Development Department is designated as a supporting agency to this functional annex to assist in providing technical assistance to protect and restore natural and cultural resources and historic properties with the designated ESF #5 and #11 Coordinators.
- g. Essex County Department of Parks, Recreation and Cultural Affairs is designated as a supporting agency to this functional annex to assist in providing technical assistance to protect and restore natural and cultural resources and historic properties with the designated ESF #5 and #11 Coordinators

In addition to any specific responsibilities listed above, all Support Agencies are responsible to provide ESF #11 RDDB information. In addition, responsibilities of the Support Agencies shall be designated by the ESF #11 Coordinator depending on the nature and conditions related to specific emergencies.

4. State Support

- a. New Jersey Historical Society

In addition to any specific responsibilities listed above, the ESF #11 Coordinator shall request support depending on the nature and conditions related to specific emergencies. Requests for support from State Agencies shall be routed via ESF #5 and/or the CNOEM Coordinator.

C. Emergency Support Function Continuity

There is a need for a line of succession for the ESF #11 Coordinator in order to ensure continuous leadership, authority, and responsibility. The CNEMC and the personnel working within this function shall be kept informed of the following line of succession:

ESF #11 Coordinator / Department of Neighborhood and Recreational Services

- £ Director of Public Works
- £ Manager, Division of Sanitation

When activated, ESF #11 operates from the City of Newark EOC, located at 480 Clinton Avenue, Newark NJ. Alternate locations are as designated in the City of Newark Base Plan Section IV: Direction, Control, and Coordination.

VI. Information Collection and Dissemination

Information collection and dissemination protocols and procedures shall be consistent with general emergency response information collection and dissemination protocols and procedures, managed by the Planning Section within the CNEOC, primary and supporting agencies of ESF #11, and outlined in the EOP Base Plan, Section V, Information Collection and Dissemination.

Essential records and logs shall be protected and preserved in accordance with standing departmental orders. Records and logs pertaining to ESF #11 shall be forwarded to the CNEMC to ensure that a complete record of the emergency is available for post operation analysis and possible use in litigation.

VII. Administration, Finance, Logistics

Primary and supporting agencies are responsible for ensuring they have access to the resources necessary to fulfill their responsibilities as described in this ESF. Primary and supporting agencies are expected to provide their own logistical support during response operations and provide reporting to the Logistics and Finance/Administration Sections through the ESF #11 Coordinator. Additional support shall be obtained through requests to the CNEOC Manager by the ESF #11 Coordinator.

In the event that ESF #11 resources are overwhelmed, the ESF #11 Coordinator shall contact the CNEOC Manager who shall request assistance through ESF #5. ESF #5 shall coordinate assistance from Essex County, NJOEM, or other agencies via MOU and MOA and notify the IC. Where appropriate, the requests shall be made using Pre-Scripted Mission Requests (PSMRs) located in ESF #5 Appendix 5.10.

All agencies are expected to finance operations and expenditures from their existing budgets. All response agencies shall accurately track and document all expenditures associated with response operations and provide this information to the ESF #11 Coordinator who shall transmit this information to the CNEOC Manager. The CNEOC Manager shall then transmit all documentation to the Time Unit in the Finance/Administration Section for the emergency. Financial assistance could be available through Federal Public Assistance and other programs.

VIII. Authorities and References

A. Laws, Ordinances, Regulations, Resolutions, and Directives

1. Federal
 - a. As cited in the Base Plan
2. State
 - a. As cited in the Base Plan
3. County
 - a. As cited in the Base Plan
4. Municipal
 - a. As cited in the Base Plan

B References, Guidance Material, and Other Documents

1. Federal
 - a. As cited in the Base Plan
2. State
 - a. As cited in the Base Plan
3. County
 - a. As cited in the Base Plan
4. Municipal
 - a. As cited in the Base Plan

IX. Attachments

A. Appendices

Appendix 11.1: Resource Directory Database (RDDB)

Appendix 11.2: Mutual Aid Agreements

Appendix 11.3: Recall/Duty Roster

Appendix 11.4: Pre-Designated Locations, Meeting Points, and Points of Distribution

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Appendix 11.1: Resource Directory Database (RDDB)

Current City of Newark entries for the RDDB are available at:

City of Newark Office of Emergency Management and Homeland Security
Division
480 Clinton Avenue 3rd Fl.
Newark, New Jersey 07108

Appendix 11.2: Mutual Aid Agreements

The Emergency Support Function #11 Coordinator maintains information regarding all Mutual Aid Agreements. The current ESF #11 information regarding Mutual Aid Agreements is available at:

City of Newark Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
(973) 733-3633

Appendix 11.3: Recall/Duty Roster

The Emergency Support Function #11 Coordinator maintains contact information for all Support Agencies. The current ESF #11 Recall/Duty Roster is available at:

City of Newark Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
(973) 733-3633

Appendix 11.4: Pre-Designated Locations, Meeting Points, and Points of Distribution

The Emergency Support Function #11 Coordinator maintains information for all pre-designated locations, meeting points, and points of distribution. The current ESF #11 information regarding Pre-Designated Locations, Meeting Points, and Points of Distribution is available at:

City of Newark Department of Public Works
62 Frelinghuysen Avenue
Newark, New Jersey 07114
(973) 733-3633

